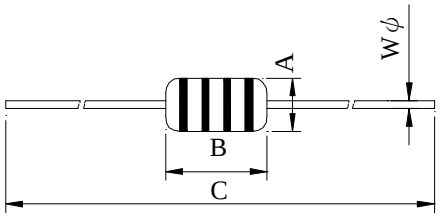
# SPECIFICATION FOR APPROVAL

REF : 20090325-B



| PROD. NAME | AXIAL INDUCTOR | ABC'S DWG NO. | AA0512□□□□L□-□□□ |
|---|---|---|---|
| | | ABC'S ITEM NO. | |

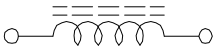
## Ⅰ．CONFIGURATION & DIMENSIONS：



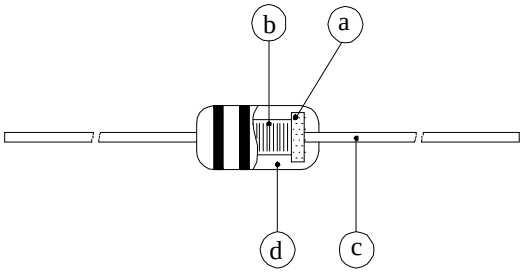

A ： 4.8 max. m/m
B ： 12.0 max. m/m
C ： 61.0 ref. m/m
Wϕ： 0.65 m/m

※Color Code：
1st Color：First Significant Figure
2nd Color：Second Significant Figure
3rd Color：Multiplier
4th Color：Tolerance

## Ⅱ．SCHEMATIC DIAGRAM：



## Ⅲ．MATERIALS：




a．Core：Ferrite DR core
b．Wire ：Enamelled copper wire ( class B )
c．Terminal：Cu/Ni/Sn
d．Coating： Epoxy resin
e．Remark：Products comply with RoHS' requirements

## Ⅳ．GENERAL SPECIFICATION：

a．Temp. rise：20℃ max.
b．Ambitnt temp：60℃ max.
c．Operating temp：-20℃---- 80℃
d．Terminal tensile strength：2.5 KG min
e．Terminal bending strength：0.5 KG min
f．Dielectric withstanding voltage：250 Vrms
g．Rated current：Base on temp. rise and teh DC current which
Will cause 10% Maxinum reduction in inductance.



ABC 千如電子集團 ABC ELECTRONICS GROUP.

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## V . ELECTRICAL CHARACTERISTICS :

| DWG No. | Inductance | | Q | Test Freq. | SRF | RDC | IDC | Color Code | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ( μH ) | Tol. | min. | ( MHz ) | ( MHz ) min | ( Ω ) max | ( mA ) max | 1st | 2nd | 3rd | 4th |
| AA0512330KL□-□□□ | 33 | ±10% | 40 | 2.520 | 7.00 | 0.45 | 500 | O | O | BK | SL |
| AA0512470KL□-□□□ | 47 | ±10% | 30 | 2.520 | 5.00 | 0.50 | 450 | Y | V | BK | SL |
| AA0512680KL□-□□□ | 68 | ±10% | 30 | 2.520 | 4.00 | 0.60 | 380 | BU | GY | BK | SL |
| AA0512101KL□-□□□ | 100 | ±10% | 30 | 0.796 | 3.00 | 0.75 | 320 | BN | BK | BN | SL |
| AA0512221KL□-□□□ | 220 | ±10% | 30 | 0.796 | 0.80 | 1.05 | 280 | R | R | BN | SL |
| AA0512471KL□-□□□ | 470 | ±10% | 35 | 0.796 | 1.50 | 2.50 | 200 | Y | V | BN | GD |
| AA0512102JL□-□□□ | 1000 | ± 5% | 50 | 0.252 | 1.20 | 4.80 | 140 | BN | BK | R | GD |
| AA0512122JL□-□□□ | 1200 | ± 5% | 50 | 0.252 | 1.00 | 5.00 | 130 | BN | R | R | GD |
| AA0512152JL□-□□□ | 1500 | ± 5% | 45 | 0.252 | 1.00 | 6.50 | 120 | BN | GN | R | GD |
| AA0512222JL□-□□□ | 2200 | ± 5% | 40 | 0.252 | 0.80 | 9.00 | 90 | R | R | R | GD |
| AA0512332JL□-□□□ | 3300 | ± 5% | 40 | 0.252 | 0.60 | 18.00 | 75 | O | O | R | GD |
| AA0512392JL□-□□□ | 3900 | ± 5% | 40 | 0.252 | 0.60 | 20.00 | 70 | O | W | R | GD |
| AA0512472JL□-□□□ | 4700 | ± 5% | 40 | 0.252 | 0.50 | 26.00 | 60 | Y | V | R | GD |
| AA0512822JL□-□□□ | 8200 | ± 5% | 40 | 0.252 | 0.38 | 40.00 | 50 | GY | R | R | GD |
| AA0512103JL□-□□□ | 10000 | ± 5% | 30 | 0.079 | 0.32 | 48.00 | 45 | BN | BK | O | GD |
| AA0512223JL□-□□□ | 22000 | ± 5% | 30 | 0.079 | 0.24 | 136.00 | 25 | R | R | O | GD |
| AA0512473JL□-□□□ | 47000 | ± 5% | 20 | 0.079 | 0.16 | 240.00 | 20 | Y | V | O | GD |

1).□ : Package Information---[A] : Bulk [B] : Taping / Reel

2). "-□□□ ":Reference code

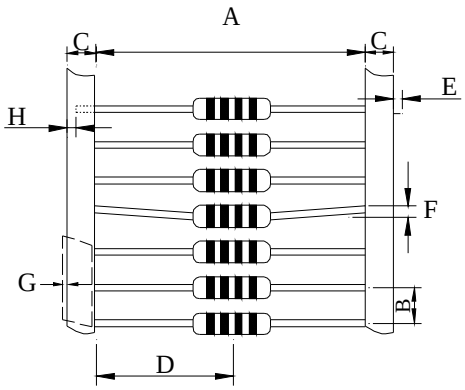
# SPECIFICATION FOR APPROVAL

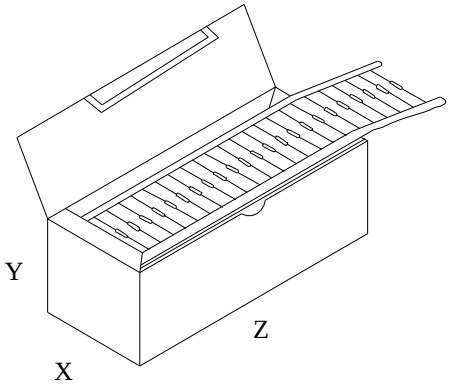


| PROD. NAME | AXIAL INDUCTOR | ABC'S DWG NO. | AA0512□□□□L□-□□□ |
|---|---|---|---|
| | | ABC'S ITEM NO. | |

## Ⅵ . PACKAGING INFORMATION FOR ALA HORIZONTAL TAPING IN BOX

(1) Configuration




( 2 ) Dimensions

Unit:m/m

| Style | Item | Specification | Item | Specification |
|---|---|---|---|---|
| T 52 | A | 52.00±1.50 | C | 6.00±1.00 |
| | D | 26.00±1.50 | E | 0.50 ( max ) |
| | X | 76.00±1.50 | F | 1.00 ( max ) |
| | B | 5.00±0.50 | G | 1.00 ( max ) |
| | H | 2.50 ( max ) | | |

( 3 ) Q'TY & G.W. Per pcakge

| Series | Inner : Box | | | Outer : Carton | | |
|---|---|---|---|---|---|---|
| | Q'TY (pcs) | G.W. (gw) | Size ( m/m ) | Q'TY (pcs) | G.W. (Kg) | Size (cm) |
| AA0512 | 1000 | 600 | 256 x 76 x 106 | 12,000 | 7.80 | 37.6 x 26.6 x 34.5 |

# SPECIFICATION FOR APPROVAL

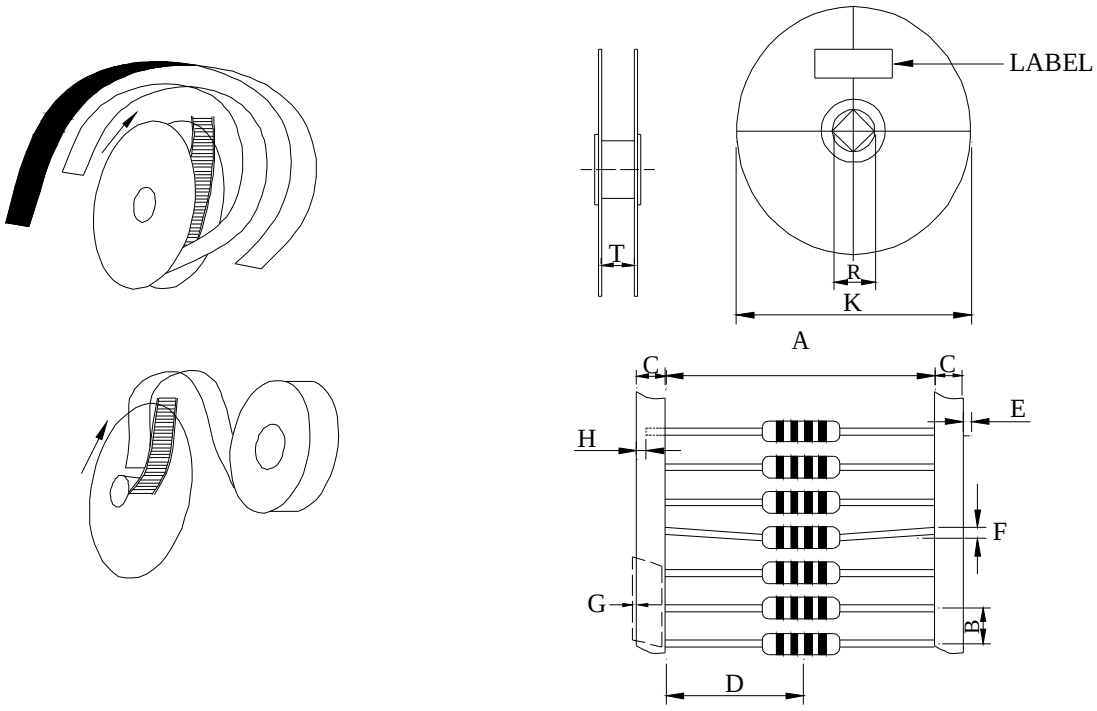
REF : 20090325-B



| PROD. NAME | AXIAL INDUCTOR | ABC'S DWG NO. | AA0512□□□□L□-□□□ |
|---|---|---|---|
| | | ABC'S ITEM NO. | |

## Ⅶ . PACKAGING INFORMATION FOR ALA HORIZONTAL TAPING IN REEL

( 1 ) CONFIGURATION




( 2 ) DIMENSIONS

Unit:m/m

| Item | Specification | Item | Specification |
|---|---|---|---|
| A | 52.00±1.50 | F | 1.00 ( max ) |
| B | 5.00±0.50 | G | 1.00 ( max ) |
| C | 6.00±1.00 | K | 355.00±0.50 |
| D | 26.00±1.50 | R | 15.00±0.50 |
| E | 0.50 ( max ) | T | 71.00±3.00 |
| H | 2.50 ( max ) | | |

( 3 ) Q'TY & G.W. PER PACKAGE

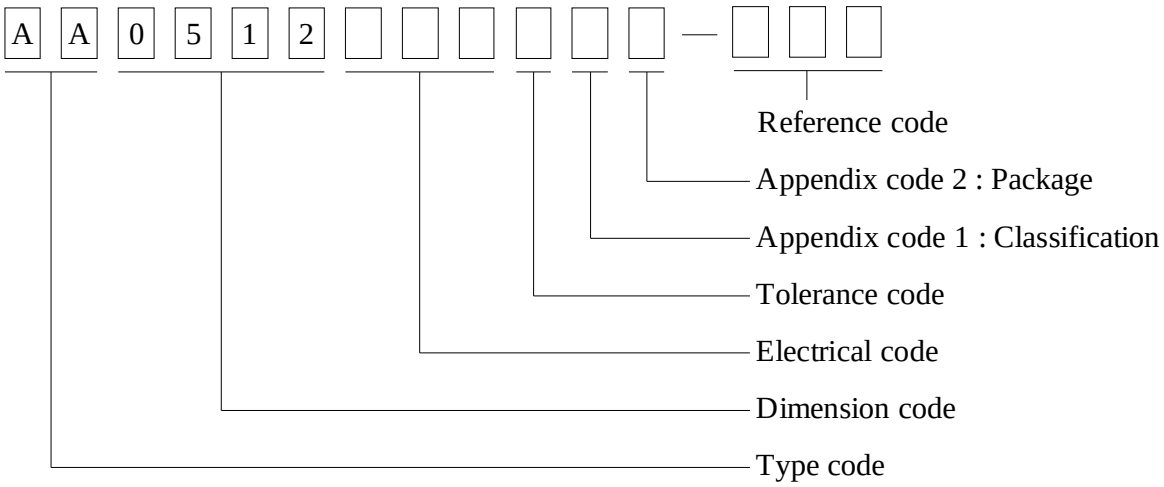
| Series | Inner : Reel | | | Outer : Cartion | | |
|---|---|---|---|---|---|---|
| | Q'TY (pcs) | G.W. (gw) | Size ( m/m ) | Q'TY (pcs) | G.W. (Kg) | Size (cm) |
| AA0512 | 3,000 | 1,200 | 370 x 370 x 85 | 12,000 | 6.5 | 37.9 x 37.9 x 37.3 |

# SPECIFICATION FOR APPROVAL



| PROD. NAME | AXIAL INDUCTOR | ABC'S DWG NO. | AA0512□□□□L□-□□□ |
|---|---|---|---|
| | | ABC'S ITEM NO. | |

Ⅷ．DWGING NUMBER EXPRESSION：


A A 0 5 1 2 □ □ □ □ □ □ — □ □ □
Reference code
Appendix code 2 : Package
Appendix code 1 : Classification
Tolerance code
Electrical code
Dimension code
Type code

Appendix code 1：Product Classification

L：Lead Free Standard products comply with RoHS' requirements

1 ~ 9：Lead Free Special products comply with RoHS' requirements

Appendix code 2：Package Information

| Code | Inner package | Inner package QTY | Remark |
|---|---|---|---|
| A | Bag | 100 pcs | |
| B | T / R ( T52 Reel package ) | 3000 pcs | |
| C | T / R ( T52 Box package ) | 1000 pcs | |

| PROD. NAME | AXIAL INDUCTOR | ABC'S DWG NO. | AA0512□□□□L□-□□□ |
|---|---|---|---|
| | | ABC'S ITEM NO. | |

Ⅸ．UL CARD：

OBMW2 September 8, 2000

Magnet Wire-Component

JUNG SHING WIRE CO LTD E174837
231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN
HSIEN TAIWAN

| Mtl Dsg | Mark Dsg | Coat Typ BC | Coat Typ OC | ANSI Type | Temp Class |
|---|---|---|---|---|---|
| AIW | —— | Polyamideimide | —— | MW81-C | 220 |
| CFUEWB | —— | Polyurethane | —— | MW75C | 130 |
| EIAIW | —— | Polyesterimide | Polyamideimide | MW35C | 200 |
| EILOCKY | —— | Polyesterimide | Polyamide | —— | 180 |
| EILOCKW | —— | Polyesterimide | Modified Epoxy | —— | 200 |
| EIW | —— | Polyesterimide | —— | —— | 220 |
| EIW-2 | —— | Polyesterimide | —— | MW74-C | 200 |
| FL.EILOCKY | —— | Modified Polyester | Polyamide | —— | 155 |
| LSFFW | —— | Polyurethane | —— | MW79-C | 155 |
| LSUEW | —— | Polyurethane | —— | —— | 130 |
| PEW | —— | Polyester | —— | —— | 155 |
| PEY | —— | Polyester | Nylon | MW24-C | 155 |
| SF.FLW | —— | Modified Polyester | —— | MW26C | 155 |
| SF.EIW | —— | Polyesterimide | —— | MW77C | 180 |
| SF.BY@ | —— | Modified Polyester | Nylon | MW27-C | 155 |
| SF.FLY@ | —— | Modified Polyester | Nylon | MW27-C | 155 |
| SF.BLOCKBS | —— | Modified Polyester | Modified Polyamide | —— | 155 |
| SF.EILOCKY# | —— | Polyesterimide | Polyamide | —— | 180 |
| SF.EILOCKBS | —— | Polyesterimide | Modified Polyamide | —— | 180 |
| SF.BW@ | —— | Modified Polyester | —— | MW26C | 155 |
| SFFW | —— | Polyurethane | | MW79 | 155 |

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| Mtl Dsg | Mark Dsg | Coat Typ BC | Coat Typ OC | ANSI Type | Temp Class |
|---|---|---|---|---|---|
| SFFY | —— | Polyurethane | Polyamide | MW80C | 155 |
| UEW-1 | —— | Polyurethane | —— | MW2-C | 105 |
| UEW-2 | —— | Polyurethane | —— | —— | 130 |
| UEW-4 | —— | Polyurethane | —— | MW75C | 130 |
| UEY | —— | Polyurethane | Nylon | MW28-C | 130 |
| UEY-2 | —— | Polyurethane | Polyamide | MW28-C | 130 |

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZL

LZ - Signifies magned wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.

Marking: Company name or trademarks JSW or 榮星電線 , material designation or marked designation on packaed or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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September 8 , 2000